June 28, 2010 11:50:26 AM



Page 1

Item ID:

D4133-041

Accept

Setup Start

Stop

Stop

**Revision ID:** 

Item Name: Wearplate, Mid

Required Date: 7/15/10

6/29/10

Start Qty: 2.00

Reg'd Qty: 2.00

Cust Item ID:

**Customer:** 

Reference:

Start Date:

**Approvals:** 

**Process Plan:** 

Date: 15 (29 Tooling:

Date:

SPC (Y/N):

Date:

Date:

Run Start



QC:

**Operation** 

**Revision Nbr** 

Description

Set Up/ **Run Hours** 

Tool ID

Tool # Plan

Code

Reject Accept Qty Qty

Reject Number Stamp

Draw Nbr

D4133

100

Sequence ID/

Work Center ID

Waterjet

FLOW CNC Waterjet (DO) 40E

FLOW WATER JET

Memo

1-Cut as per Davg D4133

Dwg Rev: Prog Rev:

QC2- Inspect parts off machine FAI/FAIB

2-Deburr if necessary

0.00

0.00

Debr = 7 m / 6/06/29 (2x

B10-6-79

12 10-6-29

110

QC

Memo

0.00

Quality Control

120

Quality Control

Memo

QC8- Inspect parts - second check

	<del>-</del>									£
W/O:			W	ORK ORDER CHANG	ES		1			
DATE	STEP	PR(	OCEDURE CHA	NGE	E	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	egory:	_ NCR:	Yes N	o <b>DQ</b> A	<b>:</b>	_ Date: _	
	R	esolution:	Disposition	n:	_ QA: N	/C Clos	sed:		Date: _	
NCR:	· · · · · · · · · · · · · · · · · · ·		WORK ORD	ER NON-CONFORM	ANCE (	NCR)				
DATE	OTED	Description of NC	Description of NC Corrective Action Section B				Verific		Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section		Chief Eng	QC Inspector
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June 28, 2010 11:50:27 AM

Item ID:

D4133-041

**Revision ID:** 

Item Name: Wearplate, Mid

**Start Date:** 

6/29/10

QC:

Required Date: 7/15/10

Start Qty: 2.00 Req'd Qty: 2.00

Reference:

Approvals:

Sequence ID/

**Work Center ID** 

**Process Plan:** 

Date:

Date:

Tooling:

Accept

SPC (Y/N):

Set Up/ Tool ID

**Cust Item ID:** 

Date:

Date:

Tool # Plan

Code

**Customer:** 

**Run Hours** 

0.00

0.00

0.00

0.00

Form as per dwg NC BRAKE

Operation

Description

Brake NC Brake NC

130

140

150

Memo

1- Form using DT Die as per Dwg D4133

QC5- Inspect part completeness to step on W/O

Quality Control

Memo

Powdercoat

Powder Coating

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

START TIME: **OVEN TEMPERAT** 

FINISH TIME:

Setup Start

Stop



Run Start

Reject

Oty

Stop



Reject / Number

Insp.

Stamp

Qty

Accept

Bl 10-7-15.

Dart Ae	rospace Ltd							
W/O:			WORK ORDER	CHANGES		<del>-</del>		1 ,
DATE	STEP	PRO	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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	Resolution:		Disposition:	QA: N/C	Closed:		Date: _	
NCR:		,	WORK ORDER NON-CON	IFORMANCE (NC	R)			
			Corrective Actio	n Section B		<b>-</b>		1

NCR:			WORK ORDI	ER NON-CONFORMAN	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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June 28, 2010 11:50:27 AM

Item ID:

D4133-041

Accept

Setup Start

Stop

Start

Stop

Reject

Qty



**Revision ID:** 

Item Name: Wearplate, Mid

**Start Date:** 6/29/10 Required Date: 7/15/10

Start Qty: 2.00

Req'd Qty: 2.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

**Process Plan:** 

QC:

Date:

Date:

**Tooling:** SPC (Y/N): Date:

Date:

Sequence ID/ **Work Center ID** 



Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours** 

Tool ID Tool # Plan Code

Accept Qty

Run

Reject

Number: Stamp

170



Small Fab

Memo

0.00

0.00

1- Bond D4133-3 gasket to inner surface of wearplate using a thin layer of 3M 1300/1300L scotch grip adhesive

180

QC5- Inspect part completeness to step on W/O

0.00

Quality Control

Memo

0.00

W/O:			W	/ORK ORDER CHA	NGES					•
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Ca	tegory:	NCF	R: Yes N	lo DQA		Date:	
Resolution:			Disposit	ion:	QA:	N/C Clo	sed:		Date: _	
NCR:			WORK OR	DER NON-CONFOR	RMANCE	(NCR)				
DATE	STEP	Description of NC Section A	Initial	Initial Action Description			Verific Section		Approval Chief Eng	Approval QC Inspector
			Chief Eng	Chief Eng		Date			1	
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June 28, 2010 11:50:28 AM



Page 4

Item ID:

D4133-041

Accept

Setup Start



**Revision ID:** 

Item Name:

Wearplate, Mid

**Start Date:** 6/29/10

Start Qty: 2.00

Required Date: 7/15/10

Req'd Qty: 2.00

**Cust Item ID:** 

**Customer:** 

Run

Start

Stop

Stop



Reference:

Approvals:

**Process Plan:** 

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Set Up/

**Run Hours** 

Tool ID

Date:

Date:

Tool # Plan

Code

Accept Reject Qty Oty

Reject Number Stamp

Insp.

Sequence ID/ Work Center ID

190

Packaging Packaging

Operation Description

Identify as per dwg & Stock Location:\_

Packaging

Memo

0.00

0.00

200

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			WORK ORDER CHANGES							•
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Ca	tegory:	NCF	R: Yes	No DQ/		Date:	
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NCR:			WORK OR	DER NON-CONFORM	IANCE	(NCR	)			
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Parent Item:

D4133-041

Parent Item Name: Wearplate, Mid



**Start Date:** 6/29/10

Start Qty: 2.00

Required Date: 7/15/10

Required Qty: 2.00

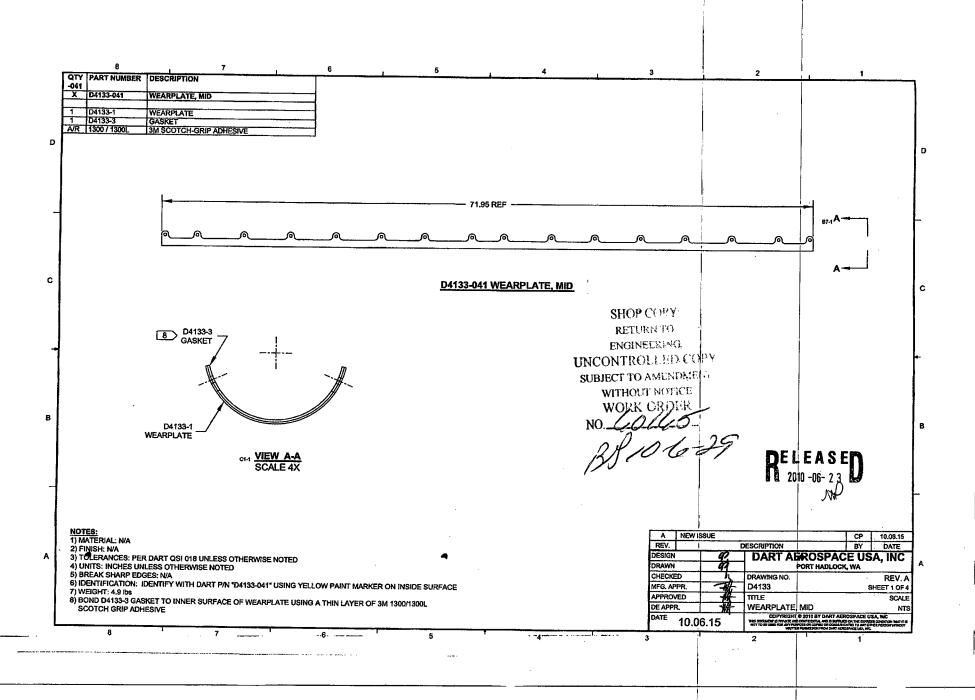
**Comments:** 

IPP Rev:A 10.06.24 new issue DD verf:EC

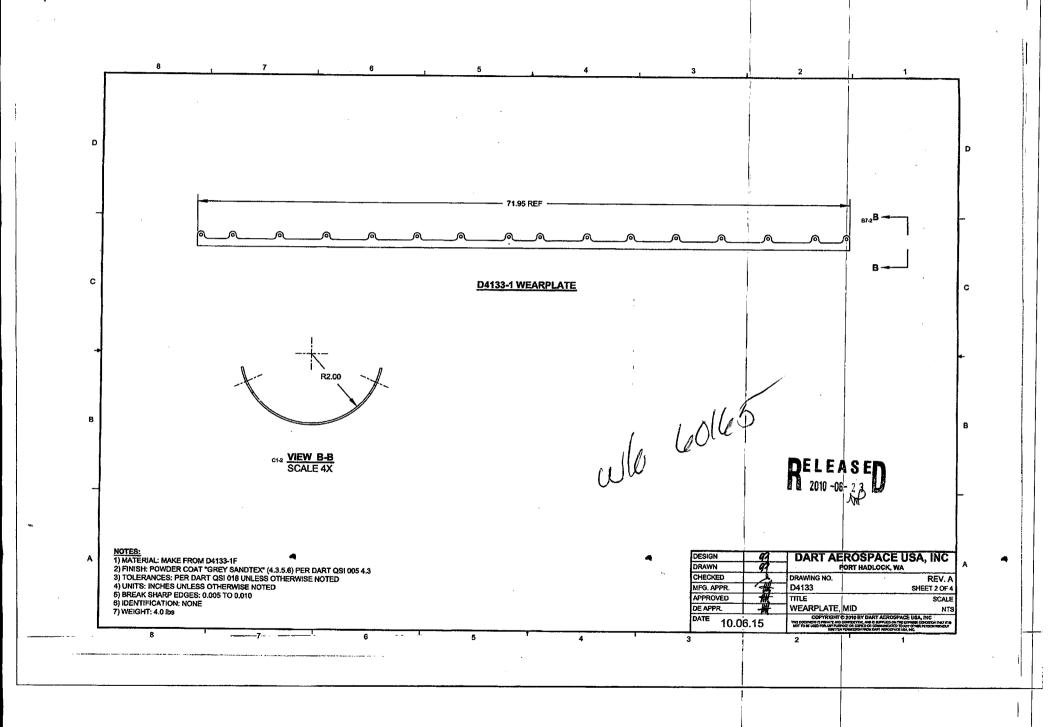
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty pe	r Kit	Total Qty	Qty Issued	Date Issued	Status
D4133-3  Gasket		Manufactured	No		·	200	Each	0.0000	1 	B	2 6030	4		
M304S18GA		Purchased	No			100	sf	132.8779	2.7	35	5.757895		M	W/07/18

Location	Loc Qty	Loc Code	思	10-6-29
MAT20	132.8779		F	
111743	8.86			
112885	28.0179			
113062	96		113062	
			1 1	

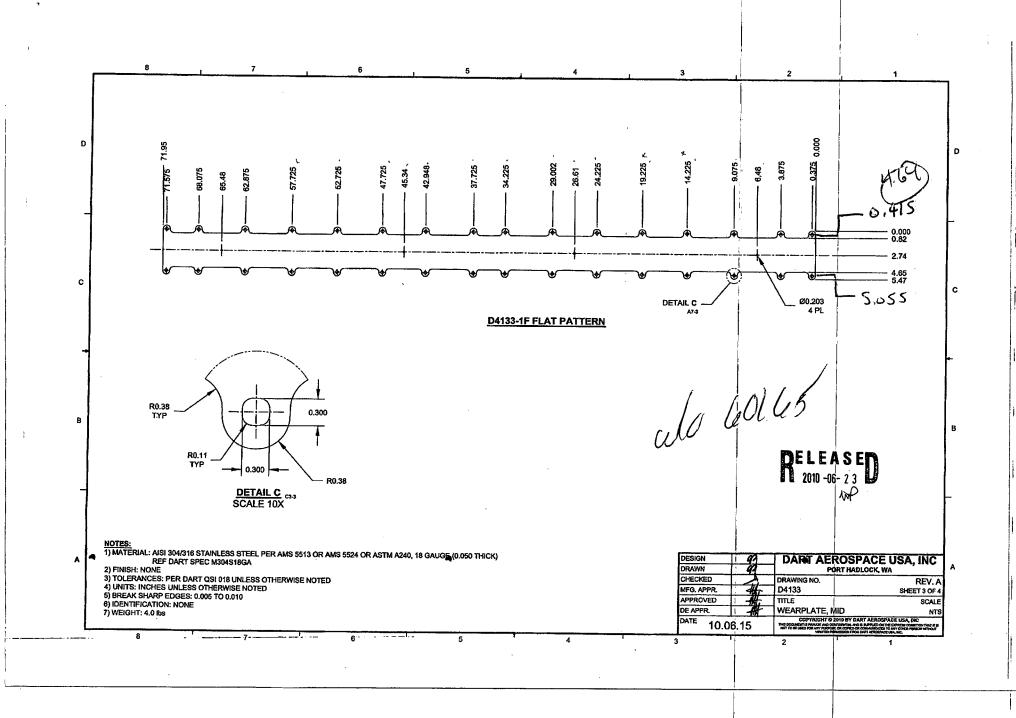
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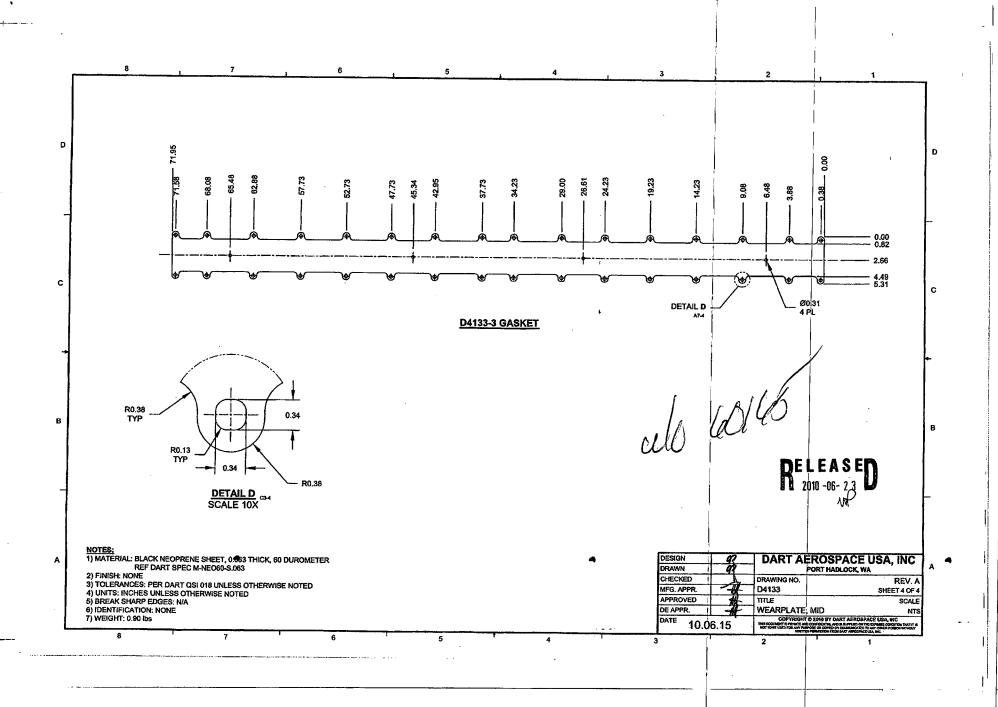
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W/O:		WORK ORDER CHANGES							· · · · · · · · · · · · · · · · · · ·	•
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#### **Dart Aerospace Ltd** W/O: **WORK ORDER CHANGES Approval Approval** STEP DATE Qty PROCEDURE CHANGE By Date Chief Eng / QC Inspector Prod Mgr Part No: \_\_\_\_\_\_ PAR #: \_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_ Date: \_\_\_\_ Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_ WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B **Description of NC** Verification **Approval** Approval DATE **STEP** Sign & **Action Description** Initial Section A Section C Chief Eng QC Inspector Date Chief Eng Chief Eng



Dart	<b>Aeros</b>	pace	Ltd
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W/O:			ORK ORDER CHAI	NGES				<u> </u>	• • •	
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DATE	STEP	Description of NC	Initial		Section B	Sign &	Verific		Approval	Approval
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DART AEROSPACE LTD	Work Order: 60165
Description: Ware olars MiD.	Part Number: 1) 4(33-04)
Inspection Dwg: 04/33-   Rev: A	Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	· []	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
, 300	4/- 00	-301	4			
. 300	4. 012	.301	*			
48,	4 230	,817	*			
2.74	4 .30	2.733	*	<b> </b>		
4.65	4 .030	4.641	¥	<u> </u>		
5.47	4 .030	5,475	77			
\$ .203	1005-001	,20G,	1			
:37+	4010	,373	4	<u> </u>		
3.875	42 .00	3.875	*	-		
6.48	4 .030	6,48	<b>≫</b>			
9.075		80%	<u>                                     </u>			
14.225		14.932	<b>)</b> +			
19.234	42 00	16.99€	×	-		
24-592	46 00	24,334	<b>b</b>	<del> </del>		
26.61	1- 030	10.06	<u> </u>			
29.00)	-010	29,000	8	-		
34.735	1 - alu	30.996	<u>&gt;</u>			
37.72	1/2 -010	37.194	1		<del> </del>	
42.948	th00	43.948	<u> </u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·
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SJ.Tos	1/2 .010	52.728	2	<del>                                     </del>	ļ ·	
S7.735	T010	257.72	<u> </u>			

 Management by:		Audited by:	Prototype Approval:	N/A
Measured by:	PR .	/	Date:	N/A
Date:	10-6-29	Date: 100630	Date.	1477
1	10 0 0		<del></del>	

		Revised by	Approved
Rev	Date	Change KJ/JLM	
Α		New Issue	• • • • • • • • • • • • • • • • • • • •

DART AEROSPACE LTD	Work Order:	60165
Description: WEARPLATE MID	Part Number:	D4133-041
Inspection Dwg: DH133~1 Rev: A		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
6.875	1/_ ,010	63.870	<b>G</b>	<i>k</i>		
65.48	4 .030	65.48	8-			
66.07	4010	68.075	<u></u>	ļ		
71.575	4 .010	71.275	8	ļ		<u> </u>
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-	Measured by:	<u> </u>		11/1/2	Date:	N/A
	Date:	10-6-29	Date:	1406/38		

			Revised by Appro	vea 📗
Rev	Date	Change	KJ/JLM	
Δ	†	New Issue	K3/3LW	